



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Doug Higinbotham, John LeRose

**DATE:** 7 Jan, 2005

**FROM:** Chris Curtis

**Checked:**

**# :** A971

### DETAILS:

Below are the results from the electron (left) spectrometer, superharp and BCM survey carried out on 6<sup>th</sup> January, 2005. The values represent the difference in millimeters from the ideal position of each fiducial. A positive X value is to the beam left, a positive Y is too high.

===== RESULTS ===== E010605A

The central ray of the spectrometer is at -16.982 degrees.  
It is missing the defined target center by 2.74 mm upstream,  
and 0.62 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -17.000 degrees.

\*.9PR : 0.144      \*.3DD : 0.90

### Superharps

	<b>DX</b>	<b>DY</b>
SH1H01A	-0.07	-0.01
SH1H01B	0.03	-0.01
SH1H01C	0.01	-0.01
SH1H02A	-0.23	-0.01
SH1H02B	-0.16	-0.11
SH1H02C	-0.12	-0.09

### Cavity BPMs

BCM1H1B	-0.04	-0.38
BCM1H1C	0.06	-0.12
BCM1H2A	-0.34	-0.16
BCM1H2D	-0.03	-0.18